

## EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

PUBLICATION NUMBER : 06072947  
PUBLICATION DATE : 15-03-94

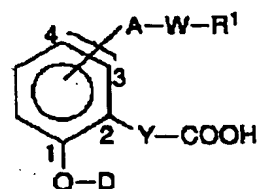
APPLICATION DATE : 07-05-93  
APPLICATION NUMBER : 05131187

APPLICANT : ONO PHARMACEUT CO LTD;

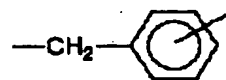
INVENTOR : HAMANAKA NOBUYUKI;

INT.CL. : C07C 59/64 A61K 31/54 C07C 59/72  
C07C 59/90 C07C233/55 C07C233/81  
C07C235/32 C07C235/38 C07C311/08  
C07C311/21

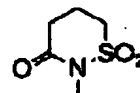
TITLE : PHENYLALKANOIC ACID  
@ (3754/24) PHENYLALKENOIC ACID)



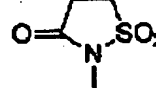
I



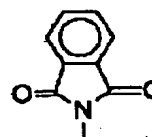
II



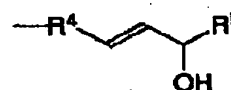
III



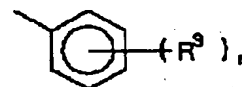
IV



V



VI



VII

ABSTRACT : PURPOSE: To provide the subject compound having leukotriene B<sub>4</sub> antagonistic activity, thus useful for preventing and/or curing allergic dermatosis, rheumatism, gout, psoriasis, arthritis, trichophytosis, or cardiac infarction.

CONSTITUTION: The objective compound of formula I {A is NHCO, O, NHSO<sub>2</sub>, CO, CH<sub>2</sub> or C(OH)H; W is 1-13C alkylene, phenylene or of formula II; R<sup>1</sup> is H, 1-4C alkyl, COOH, 4 to 7-membered monoheterocycle containing one saturated or unsaturated nitrogen atom, one oxo-substituted 4 to 7-membered monoheterocycle containing one nitrogen atom, etc.; A, W and R<sup>1</sup> are combined into a fragment of formula III to V, etc.; Y is ethylene or vinylene; D is X-B or of formula VI [Z is alkylene or alkenylene; B is of formula VII (R<sup>3</sup> is H, alkyl, etc.; n is 1-3); R<sup>4</sup> is alkylene; R<sup>5</sup> is alkyl, phenethyl, etc.]}, e.g. 3-{1-[7-(4-methoxyphenyl)-n-heptyl]-oxy-4-(4-dimethylaminocarbonylbutanamido)benzene-2-yl}propionic acid.

COPYRIGHT: (C)1994,JPO&Japio